Remarks

<u>Status of application</u>

Claims 1-43 stand rejected in view of prior art and for technical (non-prior art) reasons. Applicant appreciates the Examiner's courtesy of a telephone call on October 5, 2007 to discuss amendments to Applicant's claims to address the rejection of such claims. In view of the amendments to the claims and the below remarks and those in the previously filed amendment, reexamination and reconsideration are respectfully requested.

<u>General</u>

Applicant's invention enables subscribers (i.e., replicate databases) to define the items of data they wish to receive from a primary database, even though all of the items to be replicated are themselves not known in advance. Applicant's approach provides for building an index (name set index) based on the items requested by the subscribers (i.e., replicate databases). The index is subsequently used to determine all subscribers to particular items of data. Applicant's name set index is built based on lists of subscribers which may be defined using wildcards and negations so that the subscriber may indicate that it wishes to receive particular types of items which may be published in the future (Applicant's specification, paragraphs [0060]-[0062]). Applicant's index also includes a default list subscribers for items of data not matching any of the index entries (Applicant's specification, paragraph [0093]). More particularly, Applicant's name set index includes an entry for each item of data to be replicated and a bitmap string associated with each entry representing subscribers to such item of data (Applicant's specification, paragraph [0062]). The bitmap string includes one bit for each subscriber, so as to indicate which subscriber(s) are to receive the particular item of data corresponding to the entry. Applicant's claims have been amended to bring these distinctive features to the forefront. For example, Applicant's amended claim 1 includes the following claim limitations:

> an interface module which receives user input of lists from a plurality of subscribers, each list specifying items of data to be replicated to a given subscriber, wherein said lists include wildcard information and negation

information;

a build module which builds an index based on the lists from the plurality of subscribers, the index including an entry for each item of data to be replicated and a bitmap string associated with each entry representing subscribers to each item of data, with at least one entry including a wildcard, and one entry including a default list of subscribers for items of data not matching any of the other entries, wherein the bitmap string includes one bit for each subscriber; and

a resolution module which receives a published item of data, determines subscribers to which the published item is to be replicated based on the index, and replicates said published item to subscribers, wherein time for determining subscribers to the published item does not depend on number of subscribers.

(Applicant's claim 1, as amended)

Applicant's claimed invention includes features not found in the prior art of record including, for example, the building of an index which includes a bitmap string for each item of data to be replicated indicating subscribers to such item of data. All told, it is respectfully submitted that Applicant's approach of building an index that allows subscribers to items of data which are not known in advance to be efficiently determined is a patentable advance over the art.

In view of the foregoing remarks and the amendment to the claims, it is believed that all claims are now in condition for allowance. Hence, it is respectfully requested that the application be passed to issue at an early date.

If for any reason the Examiner feels that a telephone conference would in any way expedite prosecution of the subject application, the Examiner is invited to telephone the undersigned at 925 465 0361.

Respectfully submitted,

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